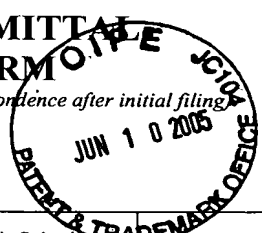
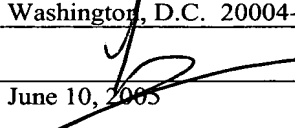


1FV2823/4

<p align="center">TRANSMITTAL FORM</p> <p align="center"><i>(to be used for all correspondence after initial filing)</i></p> <p align="center">  </p>	Application Number	09/436,984
	Filing Date	November 9, 1999
	First Named Inventor	Shunpei YAMAZAKI et al.
	Group Art Unit	2823
	Examiner Name	William D. Coleman
Total Number of Pages in This Submission	Attorney Docket Number	740756-2063

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Declaration and Power of Attorney <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Application Data Sheet <input type="checkbox"/> Request for Corrected Filing Receipt with Enclosures <input type="checkbox"/> A self-addressed prepaid postcard for acknowledging receipt <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <p align="center">PTO-1449 Form w/10 documents</p>
Remarks		<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 19-2380 for the above identified docket number.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	<u>Luan C. Do, Reg. No. 35,483</u> Nixon Peabody LLP 401 9 th Street, N.W. Suite 900 Washington, D.C. 20004-2128
Signature	
Date	June 10, 2005

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]	
I hereby certify that this correspondence is being:	
<input type="checkbox"/> deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop <u>AMENDMENT</u> , Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 <input type="checkbox"/> transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) _____.	
Date	Signature
	Typed or printed name

FEE TRANSMITTAL **FOR FY 2005**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180.00)

Complete if Known

Application Number 09/436,984
 Filing Date November 9, 1999
 First Named Inventor Shunpei YAMAZAKI et al.
 Examiner Name William D. Coleman
 Art Unit 2823
 Attorney Docket No. 740756-2063

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 19-2380 [740756-2063]

Deposit Account Name Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	300	2001	150	Utility filing fee	
1002	200	2002	100	Design filing fee	
1003	200	2003	100	Plant filing fee	
1004	300	2004	150	Reissue filing fee	
1005	200	2005	100	Provisional filing fee	

SUBTOTAL (1) (\$ 0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims -20** = X = Fee Paid 0

Independent Claims -3** = X = Fee Paid 0

Multiple Dependent X = Fee Paid 0

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	** Reissue independent claims over original patent
1205	50	2205	25	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1051	130	2051	65	Surcharge - late filing fee or oath
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130	Non-English specification
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action
1251	120	2251	60	Extension for reply within first month
1252	450	2252	225	Extension for reply within second month
1253	1,020	2253	510	Extension for reply within third month
1254	1,590	2254	795	Extension for reply within fourth month
1255	2,160	2255	1,080	Extension for reply within fifth month
1401	500	2401	250	Notice of Appeal
1402	500	2402	250	Filing a brief in support of an appeal
1403	1,000	2403	500	Request for oral hearing
1451	1,510	1451	1,510	Petition to institute a public use proceeding
1452	500	2452	250	Petition to revive - unavoidable
1453	1,500	2453	750	Petition to revive - unintentional
1501	1,400	2501	700	Utility issue fee (or reissue)
1502	800	2502	400	Design issue fee
1503	1,100	2503	550	Plant issue fee
1460	130	1460	130	Petitions to the Commissioner
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)
1806	180	1806	180	Submission of Information Disclosure Stmt
8021	40	8021	40	Recording each patent assignment per property (times number of properties)
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))
1801	790	2801	395	Request for Continued Examination (RCE)
1802	900	1802	900	Request for expedited examination of a design application

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$180.00)

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

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Date _____

Signature _____

Typed or printed name _____

SUBMITTED BY

Name (Print/Type)

Luan C. Do

Registration No. (Attorney/Agent)

38,434

Signature

Complete (if applicable)

Telephone

(202) 585-8000

Date

June 10, 2005

SEND TO: Commissioner for Patents
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 Alexandria, VA 22313-1450

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
Shunpei YAMAZAKI et al.) Examiner: William D. Coleman
Application No. 09/436,984) Group Art Unit: 2823
Filed: November 9, 1999)
For: SEMICONDUCTOR DEVICE AND) June 10, 2005
MANUFACTURING METHOD THEREOF)



INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. No copy of the U.S. Patent documents have been provided. Pursuant to 37 C.F.R. § 1.98, a copy of each of the other documents cited is enclosed.

Additionally, please note that USP 5,254,490 is in the same family as JP 03-250632.

The Commissioner is hereby authorized to charge the fees, in the amount of \$180.00, connected with this filing, which are now required, in compliance with the provisions of 37 C.F.R. § 1.97(c), or credit any overpayment to Deposit Account No. 19-2380.

It is requested that the accompanying PTO-1449 be considered and made of record in the above-identified application. To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that the Examiner initial a copy of this form and return it to the undersigned.

Respectfully submitted,

06/13/2005 SZEWDIE1 00000035 192380 09436984
01 FC:1806 180.00 DA

By: _____

Luan C. Do
Registration No. 38,434

NIXON PEABODY LLP
Suite 900
401 9th Street, N.W.
Washington, DC 20004-2128
Telephone: (202) 585-8000

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (uses many sheets as necessary) JUN 10 2005 U.S. PATENT & TRADEMARK OFFICE		Complete if Known Application Number: 09/436,984 Filing Date: November 9, 1999 First Named Inventor: Shunpei YAMAZAKI et al. Art Unit: 2823 Examiner Name: William D. Coleman Attorney Docket Number: 740756-2063	
Sheet	of	2	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-3,933,529	01-20-1976	GOSER	
		US-5,254,490	10-19-1993	KONDO	
		US-5,323,042	06-21-1994	MATSUMOTO	
		US-5,358,879	10-25-1994	BRADY et al.	
		US-5,594,569	01-14-1997	KONUMA et al.	
		US-5,693,959	12-02-1997	INOUE et al.	
		US-5,719,588	02-17-1998	JOHNSON	
		US-5,912,492	06-15-1999	CHANG et al.	
		US-5,965,919	10-12-1999	YOO	
		US-5,990,542	11-23-1999	YAMAZAKI	
		US-6,008,869	12-28-1999	OANA et al.	
		US-6,166,396	12-26-2000	YAMAZAKI	
		US-6,180,957 B1	01-30-2001	MIYASAKA et al.	
		US-6,274,887 B1	08-14-2001	YAMAZAKI et al.	
		US-6,281,552 B1	08-28-2001	KAWASAKI et al.	
		US-2003/0138985 A1	07-24-2003	RHODES	
		US-6,617,644 B1	09-09-2003	YAMAZAKI et al.	
		US-6,784,037 B2	08-31-2004	YAMAZAKI et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 03-250632	11-08-1991	KONDO		Abstr.
		JP 04-369271	12-22-1992	TAKEDA et al.		Full
		JP 05-102483	04-23-1993	UEDA		Full
		JP 09-116167	05-02-1997	MIYASAKA et al.		Abstr.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		YOSHIDA et al., 33.2: A Full-Color Thresholdless Antiferroelectric LCD Exhibiting Wide Viewing Angle with Fast Response Time, SID 97 DIGEST: SID International Symposium Digest of Technical Papers, 1-1-1997, pp. 841-844.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	09/436,984
Filing Date	November 9, 1999
First Named Inventor	Shunpei YAMAZAKI et al.
Group Art Unit	2823
Examiner Name	William D. Coleman
Attorney Docket Number	740756-2063

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		H. FURUE et al., P-78: Characteristics and Driving Scheme of Polymer-Stabilized Monostable FLCDC Exhibiting Fast Response Time and High Contrast Ratio with Gray-Scale Capability, SID 98 DIGEST: SID International Symposium Digest of Technical Papers, 01-01-1998, pp. 782-785.	
		INUI et al., Thresholdless Antiferroelectricity In Liquid Crystals and Its Application to Displays, Journal of Materials Chemistry, 1/1/1996, pp. 671-673, Vol. 6, No. 4.	
		EKISHO, Time Divided Full Color LCD by Ferroelectric Liquid Crystal, 7/25/1999, pp. 190-194, Vol. 3, No. 3.	
		TERADA et al., Half-V Switching Mode FLCDC, Proceedings of the 46 th Applied Physics Association Lectures, 3/1/1999, pp. 1316, Vol. 28p-V-8,.	
		Webster's II New Riverside University Dictionary, pp. 839.	

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.